

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF111122\
 Data File : BF131162.D
 Acq On : 11 Nov 2022 19:50
 Operator : CG\JU
 Sample : N5506-01
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-5

Quant Time: Nov 12 00:06:24 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF110922.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Nov 12 00:03:31 2022
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

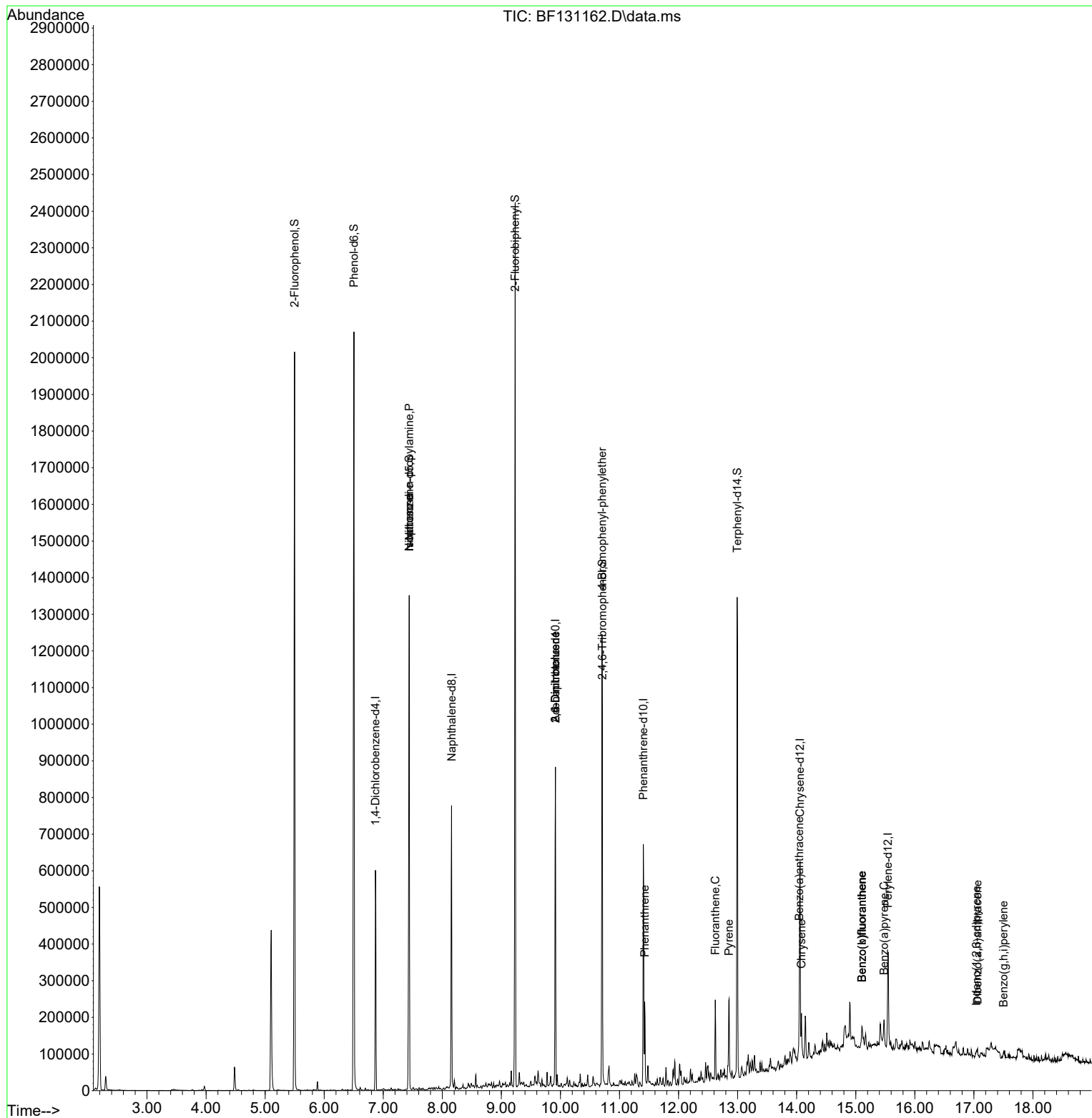
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.869	152	81616	20.000	ng	0.00
21) Naphthalene-d8	8.157	136	293184	20.000	ng	0.00
39) Acenaphthene-d10	9.916	164	159657	20.000	ng	0.00
64) Phenanthrene-d10	11.404	188	228117	20.000	ng	0.00
76) Chrysene-d12	14.057	240	167322	20.000	ng	0.00
86) Perylene-d12	15.545	264	112695	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.498	112	469915	97.915	ng	0.01
7) Phenol-d6	6.504	99	653119	104.094	ng	0.00
23) Nitrobenzene-d5	7.439	82	401143	61.733	ng	0.00
42) 2,4,6-Tribromophenol	10.710	330	131613	79.765	ng	0.00
45) 2-Fluorobiphenyl	9.233	172	624057	54.565	ng	0.00
79) Terphenyl-d14	12.992	244	442691	46.388	ng	0.00
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.439	70	57286	13.906	ng	# 78
25) Isophorone	7.439	82	399926	39.804	ng	# 68
51) 2,6-Dinitrotoluene	9.916	165	21665	8.680	ng	# 15
57) 2,4-Dinitrotoluene	9.916	165	21665	6.530	ng	# 17
67) 4-Bromophenyl-phenylether	10.704	248	8484	3.289	ng	# 1
71) Phenanthrene	11.427	178	75154	5.990	ng	98
75) Fluoranthene	12.621	202	77466	6.168	ng	98
78) Pyrene	12.851	202	86546	6.029	ng	97
81) Benzo(a)anthracene	14.045	228	41270	3.451	ng	95
83) Chrysene	14.080	228	38566	3.415	ng	98
87) Indeno(1,2,3-cd)pyrene	17.045	276	12959	5.157	ng	96
88) Benzo(b)fluoranthene	15.104	252	41578	5.218	ng	# 97
89) Benzo(k)fluoranthene	15.104	252	41578	5.429	ng	# 97
90) Benzo(a)pyrene	15.480	252	26317	4.120	ng	# 94
91) Dibenzo(a,h)anthracene	17.062	278	3816	4.309	ng	# 62
92) Benzo(g,h,i)perylene	17.503	276	13229	5.883	ng	96

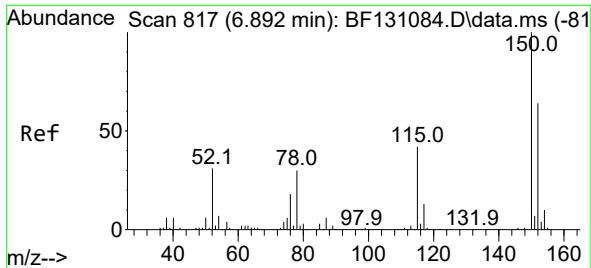
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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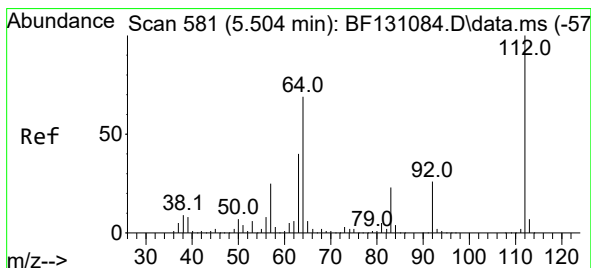
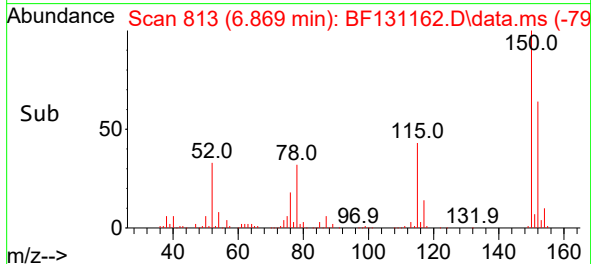
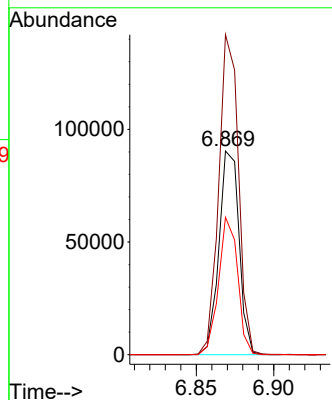
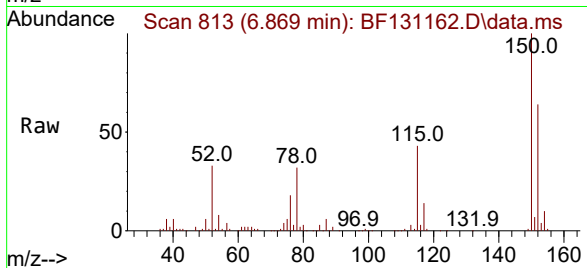




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.869 min Scan# 81
 Delta R.T. -0.006 min
 Lab File: BF131162.D
 Acq: 11 Nov 2022 19:50

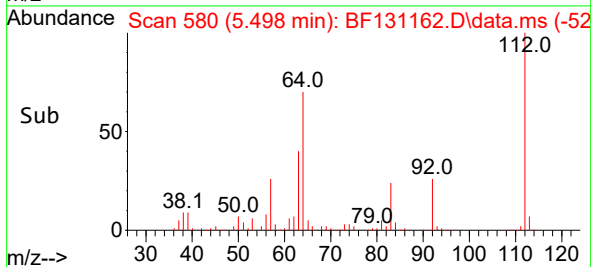
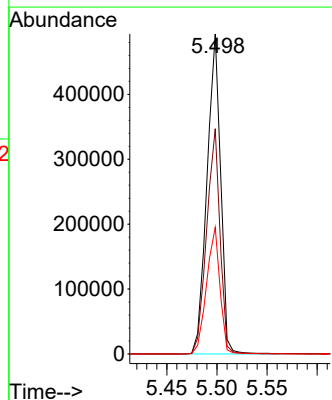
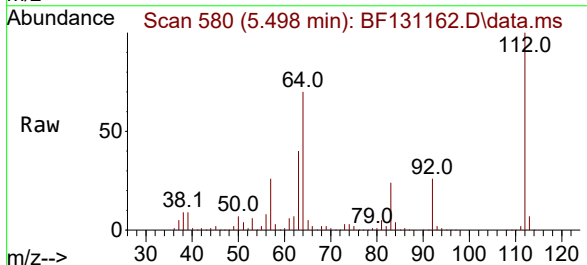
Instrument :
 BNA_F
 ClientSampleId :
 TP-5

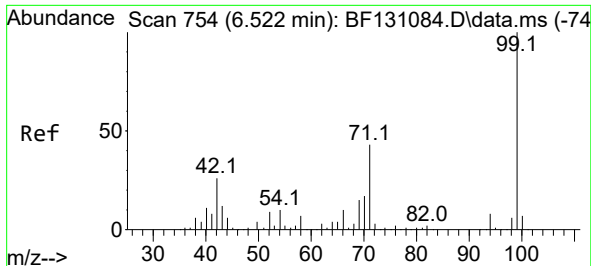
Tgt Ion:152 Resp: 81616
 Ion Ratio Lower Upper
 152 100
 150 157.1 125.5 188.3
 115 67.5 52.2 78.2



#5
 2-Fluorophenol
 Concen: 97.915 ng
 RT: 5.498 min Scan# 580
 Delta R.T. 0.012 min
 Lab File: BF131162.D
 Acq: 11 Nov 2022 19:50

Tgt Ion:112 Resp: 469915
 Ion Ratio Lower Upper
 112 100
 64 70.4 55.1 82.7
 63 39.5 32.4 48.6

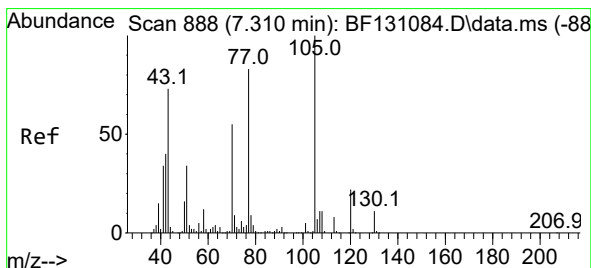
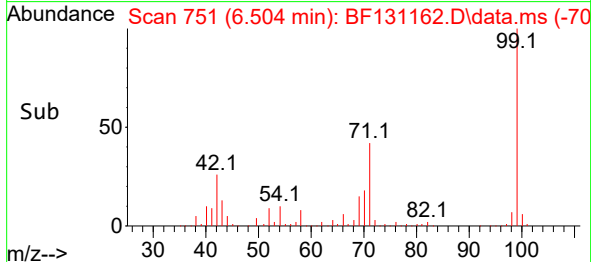
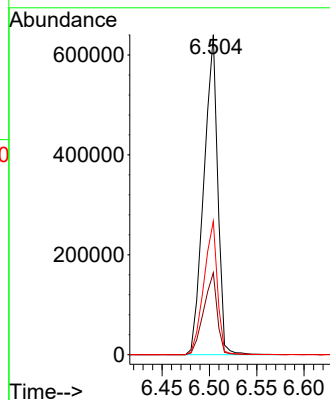
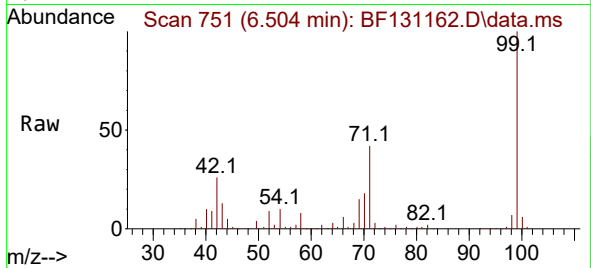




#7
Phenol-d6
Concen: 104.094 ng
RT: 6.504 min Scan# 71
Delta R.T. -0.000 min
Lab File: BF131162.D
Acq: 11 Nov 2022 19:50

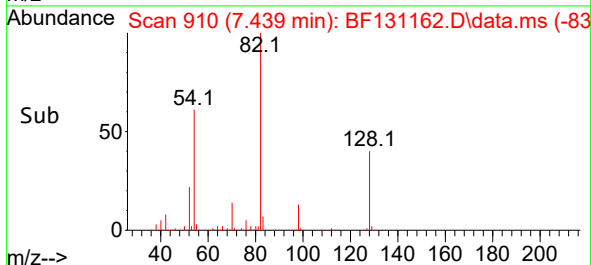
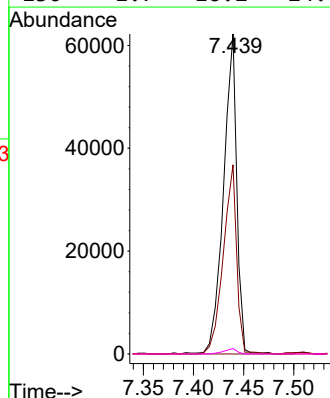
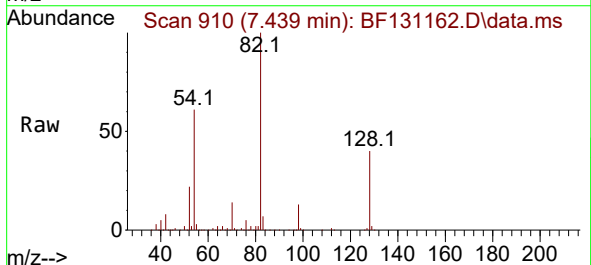
Instrument :
BNA_F
ClientSampleId :
TP-5

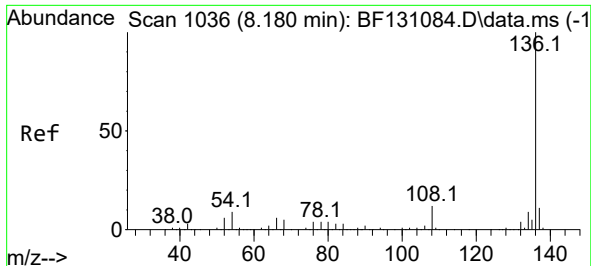
Tgt Ion: 99 Resp: 653119
Ion Ratio Lower Upper
99 100
42 25.6 20.8 31.2
71 41.7 34.2 51.4



#19
n-Nitroso-di-n-propylamine
Concen: 13.906 ng
RT: 7.439 min Scan# 910
Delta R.T. 0.147 min
Lab File: BF131162.D
Acq: 11 Nov 2022 19:50

Tgt Ion: 70 Resp: 57286
Ion Ratio Lower Upper
70 100
42 59.1 58.3 87.5
101 0.0 7.4 11.2#
130 1.7 16.2 24.4#



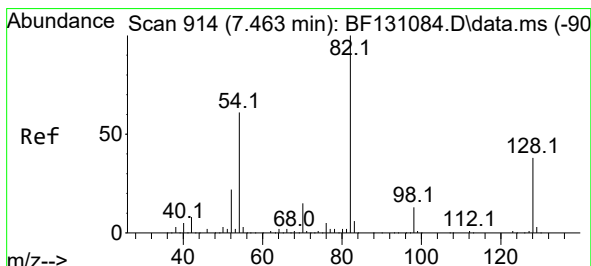
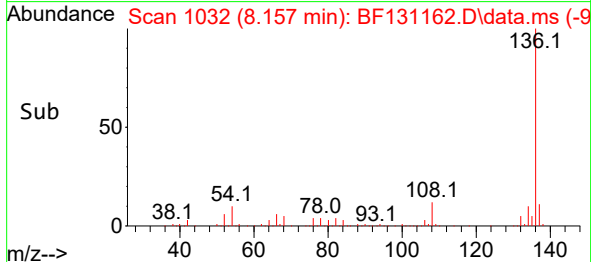
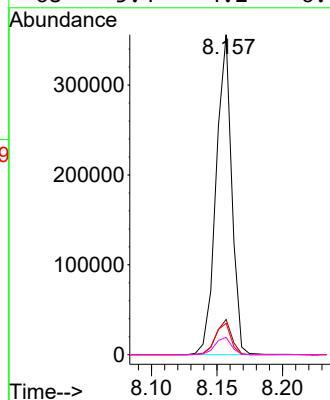
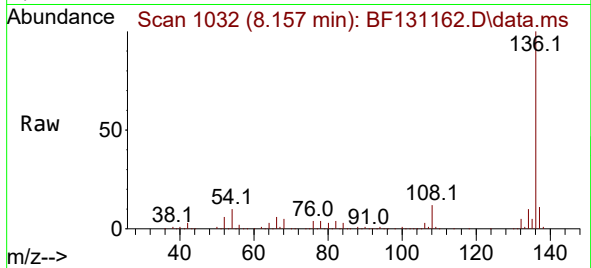


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.157 min Scan# 1032
Delta R.T. -0.000 min
Lab File: BF131162.D
Acq: 11 Nov 2022 19:50

Instrument :
BNA_F
ClientSampleId :
TP-5

Tgt Ion:136 Resp: 293184

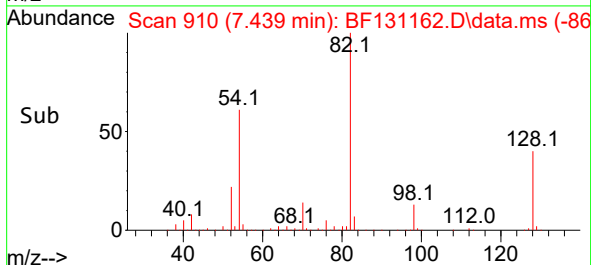
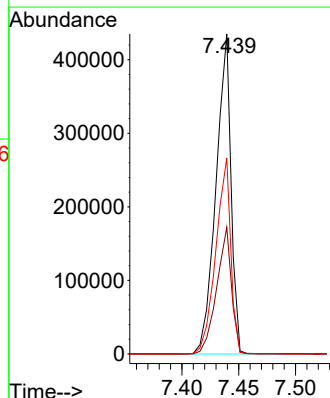
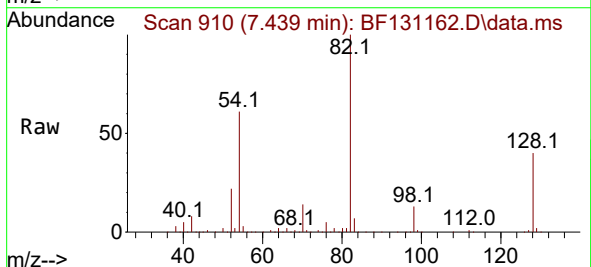
Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.6	12.8
54	9.8	7.2	10.8
68	5.4	4.2	6.4

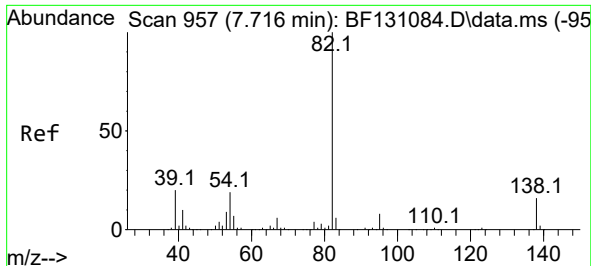


#23
Nitrobenzene-d5
Concen: 61.733 ng
RT: 7.439 min Scan# 910
Delta R.T. -0.006 min
Lab File: BF131162.D
Acq: 11 Nov 2022 19:50

Tgt Ion: 82 Resp: 401143

Ion	Ratio	Lower	Upper
82	100		
128	39.6	30.5	45.7
54	61.2	49.1	73.7

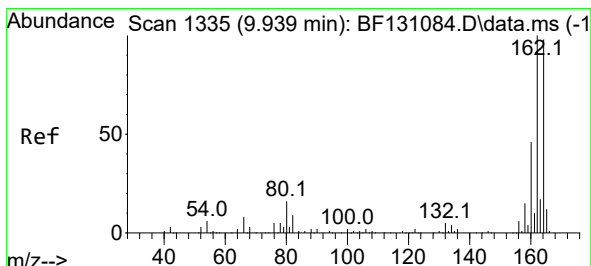
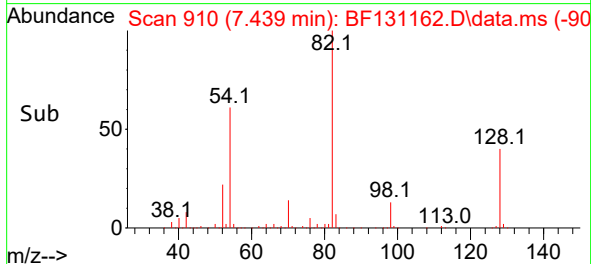
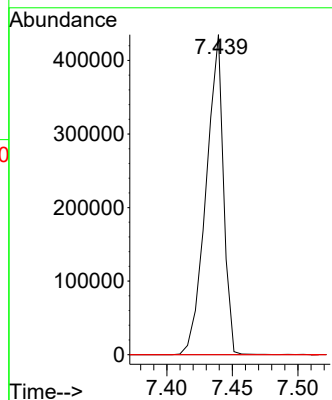
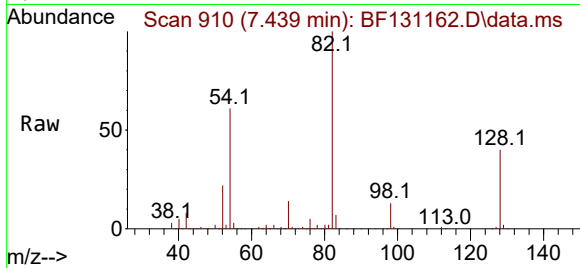




#25
Isophorone
Concen: 39.804 ng
RT: 7.439 min Scan# 91
Delta R.T. -0.259 min
Lab File: BF131162.D
Acq: 11 Nov 2022 19:50

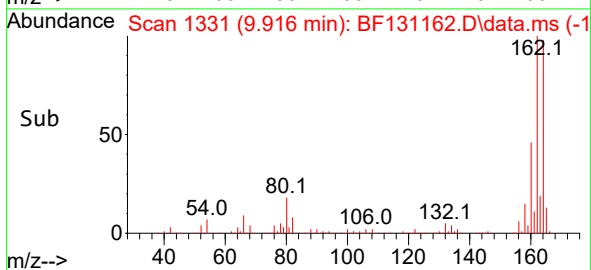
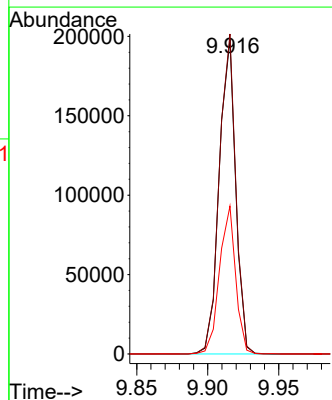
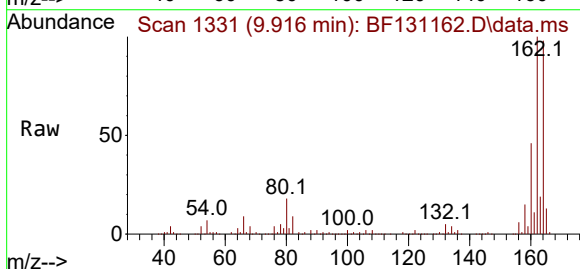
Instrument :
BNA_F
ClientSampleId :
TP-5

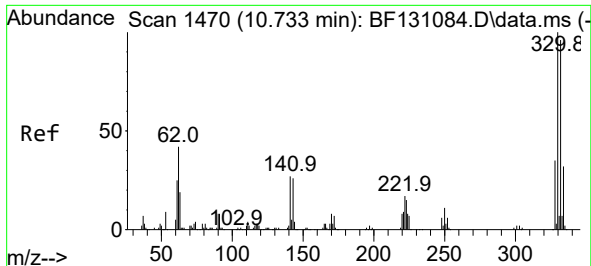
Tgt Ion: 82 Resp: 399926
Ion Ratio Lower Upper
82 100
95 0.0 6.2 9.2#
138 0.0 12.5 18.7#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.916 min Scan# 1331
Delta R.T. -0.006 min
Lab File: BF131162.D
Acq: 11 Nov 2022 19:50

Tgt Ion:164 Resp: 159657
Ion Ratio Lower Upper
164 100
162 101.7 81.7 122.5
160 47.0 37.4 56.2





#42

2,4,6-Tribromophenol

Concen: 79.765 ng

RT: 10.710 min Scan# 1466

Delta R.T. -0.000 min

Lab File: BF131162.D

Acq: 11 Nov 2022 19:50

Instrument :

BNA_F

ClientSampleId :

TP-5

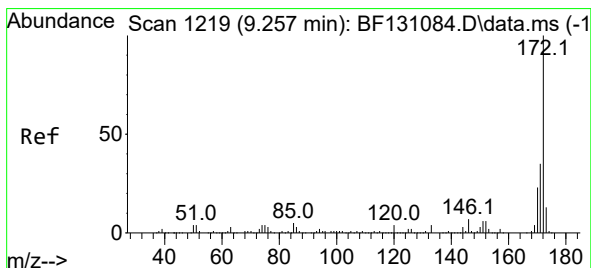
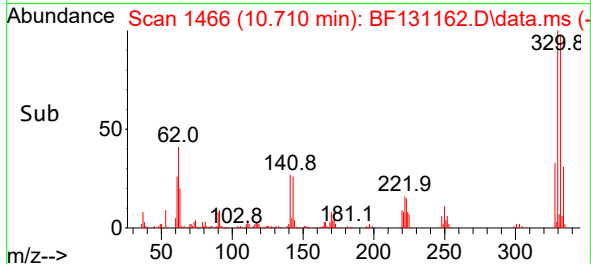
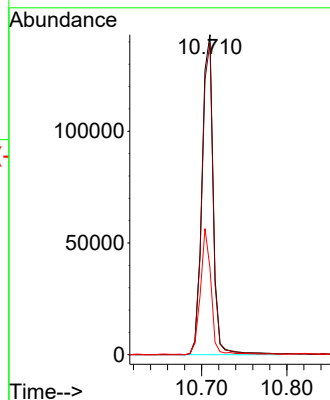
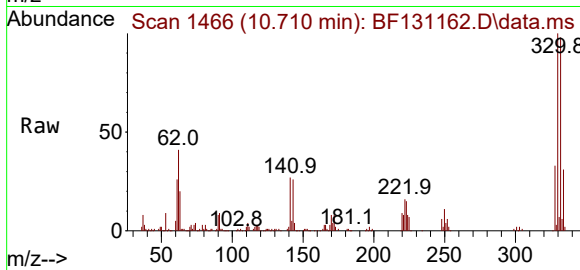
Tgt Ion:330 Resp: 131613

Ion Ratio Lower Upper

330 100

332 96.6 77.0 115.4

141 36.5 28.5 42.7



#45

2-Fluorobiphenyl

Concen: 54.565 ng

RT: 9.233 min Scan# 1215

Delta R.T. -0.006 min

Lab File: BF131162.D

Acq: 11 Nov 2022 19:50

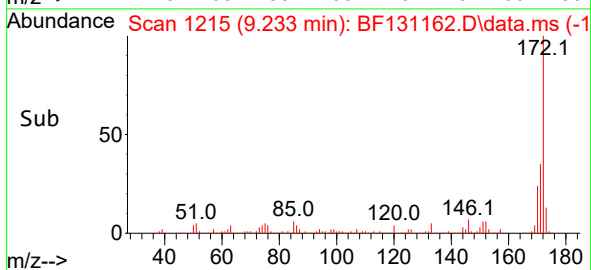
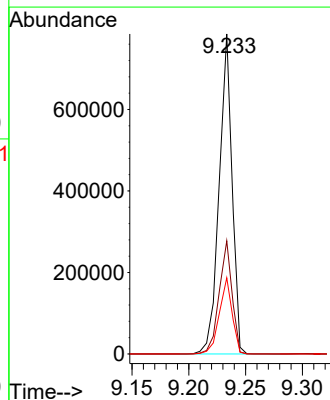
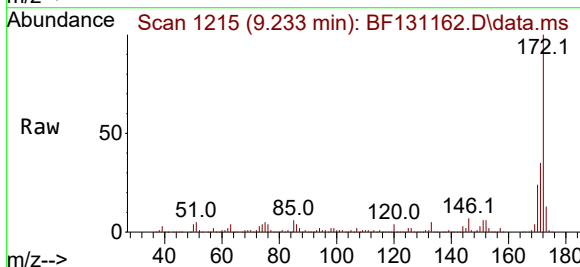
Tgt Ion:172 Resp: 624057

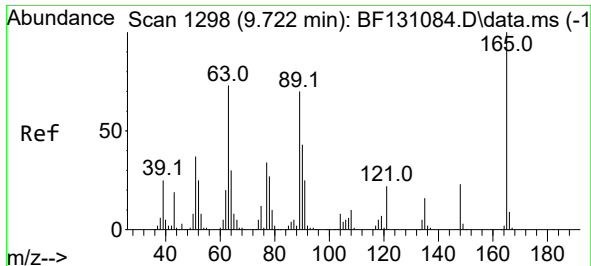
Ion Ratio Lower Upper

172 100

171 35.4 27.7 41.5

170 23.8 18.8 28.2

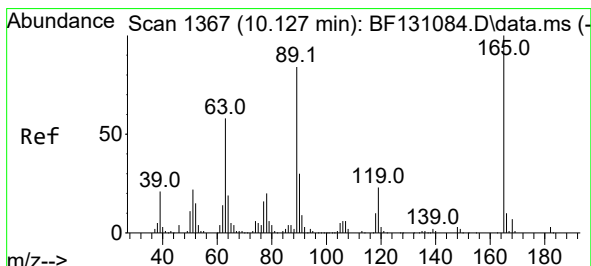
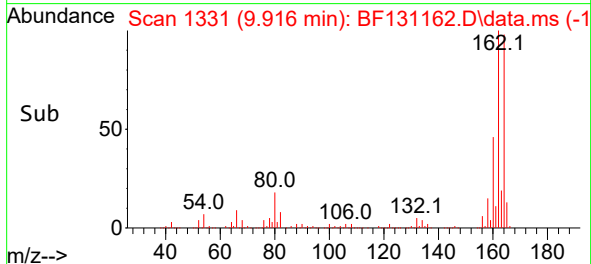
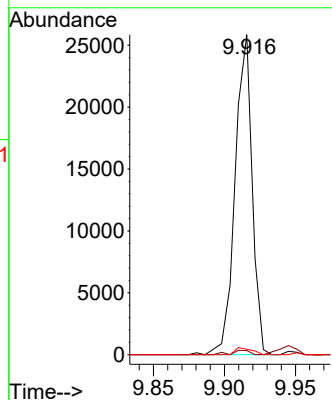
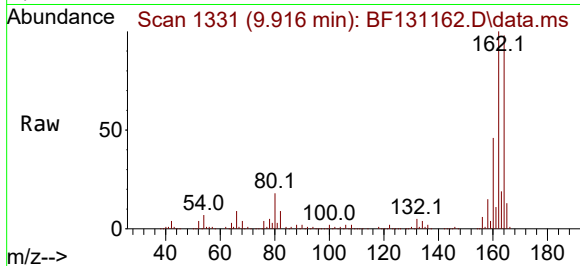




#51
2,6-Dinitrotoluene
Concen: 8.680 ng
RT: 9.916 min Scan# 1331
Delta R.T. 0.212 min
Lab File: BF131162.D
Acq: 11 Nov 2022 19:50

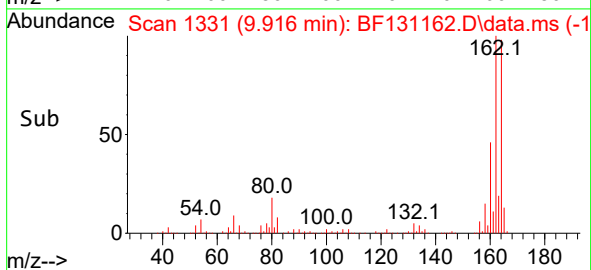
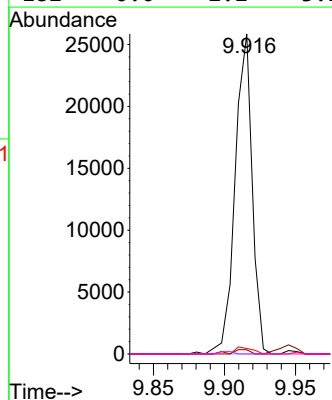
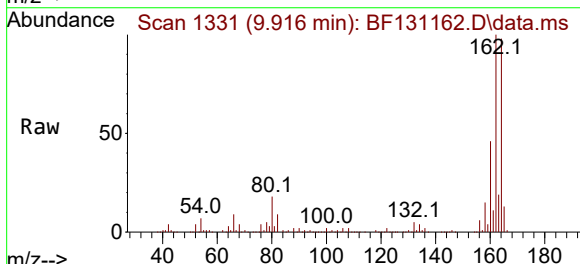
Instrument :
BNA_F
ClientSampleId :
TP-5

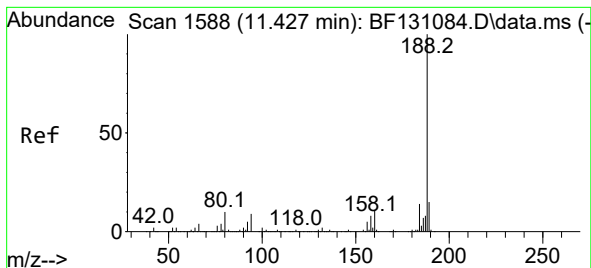
Tgt Ion:165 Resp: 21665
Ion Ratio Lower Upper
165 100
63 1.3 61.4 92.2#
89 1.7 56.0 84.0#



#57
2,4-Dinitrotoluene
Concen: 6.530 ng
RT: 9.916 min Scan# 1331
Delta R.T. -0.194 min
Lab File: BF131162.D
Acq: 11 Nov 2022 19:50

Tgt Ion:165 Resp: 21665
Ion Ratio Lower Upper
165 100
63 1.3 46.9 70.3#
89 1.7 66.9 100.3#
182 0.0 2.2 3.2#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.404 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF131162.D

Acq: 11 Nov 2022 19:50

Instrument :

BNA_F

ClientSampleId :

TP-5

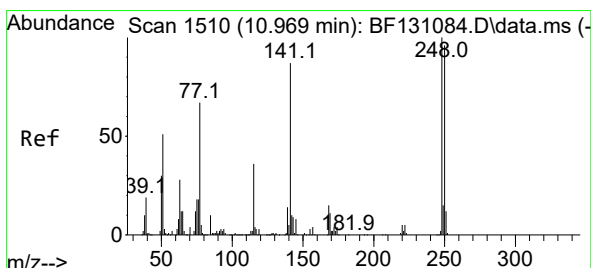
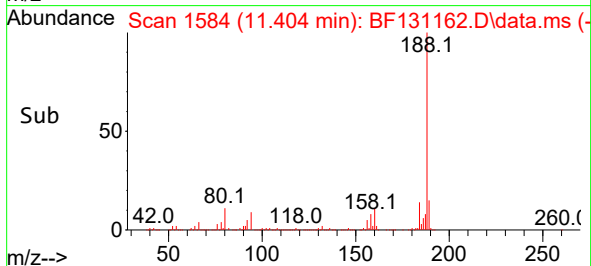
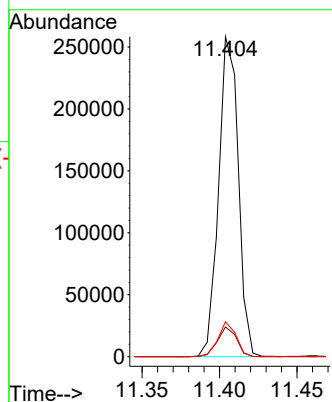
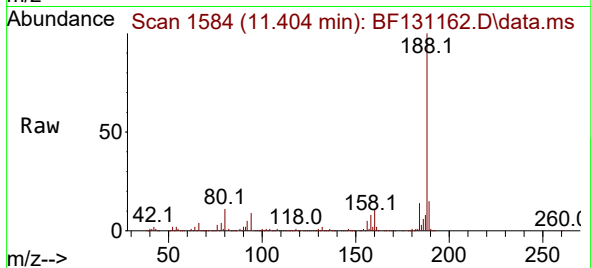
Tgt Ion:188 Resp: 228117

Ion Ratio Lower Upper

188 100

94 9.3 7.0 10.6

80 10.9 7.9 11.9



#67

4-Bromophenyl-phenylether

Concen: 3.289 ng

RT: 10.704 min Scan# 1465

Delta R.T. -0.247 min

Lab File: BF131162.D

Acq: 11 Nov 2022 19:50

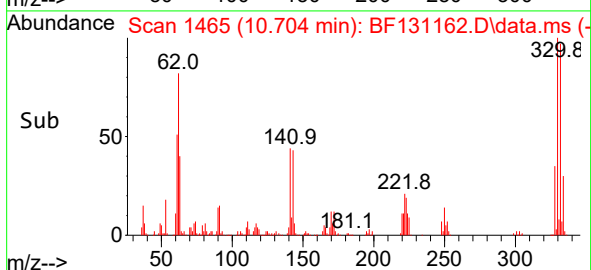
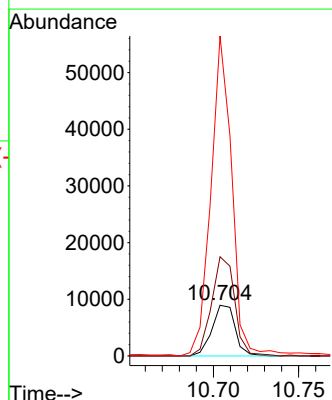
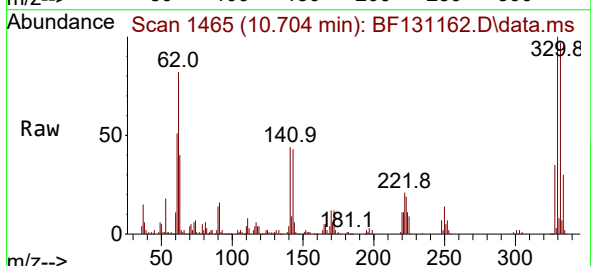
Tgt Ion:248 Resp: 8484

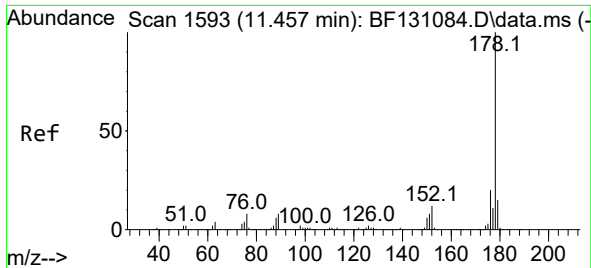
Ion Ratio Lower Upper

248 100

250 195.8 77.0 115.6#

141 631.7 69.7 104.5#

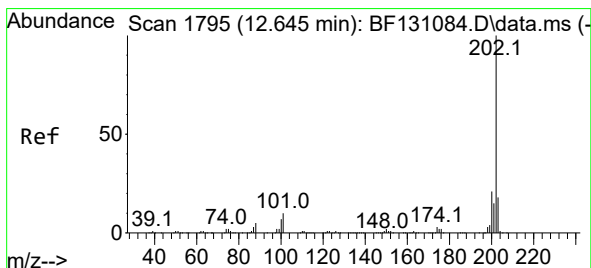
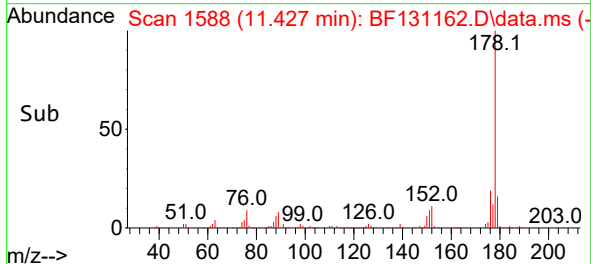
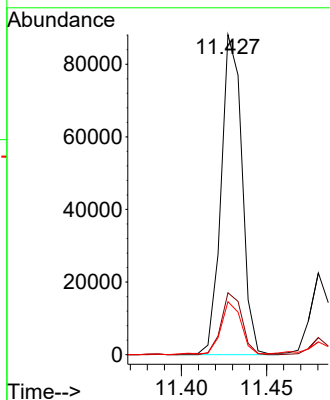
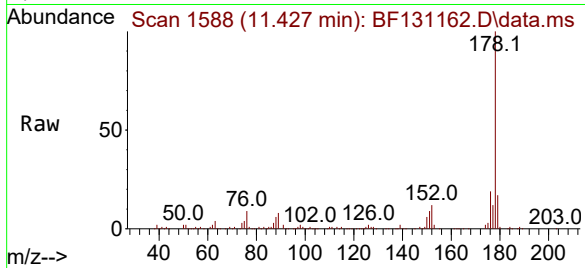




#71
Phenanthrene
Concen: 5.990 ng
RT: 11.427 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF131162.D
Acq: 11 Nov 2022 19:50

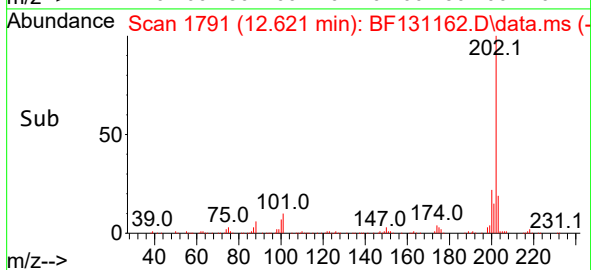
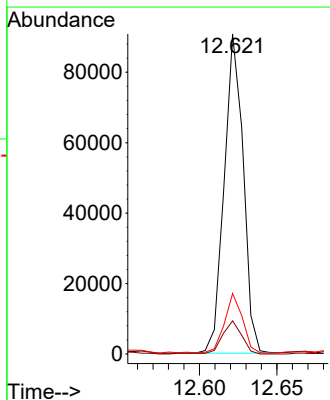
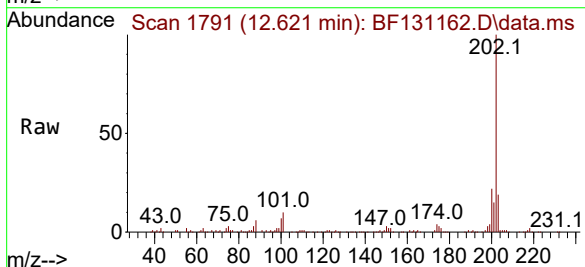
Instrument :
BNA_F
ClientSampleId :
TP-5

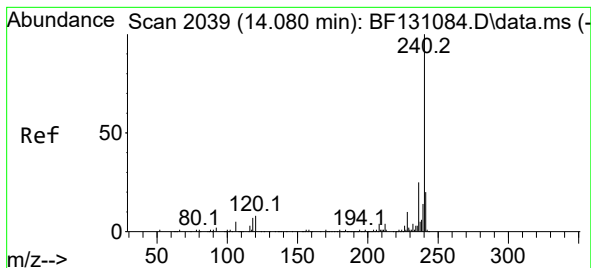
Tgt Ion:178 Resp: 75154
Ion Ratio Lower Upper
178 100
176 19.4 15.8 23.8
179 16.6 12.2 18.2



#75
Fluoranthene
Concen: 6.168 ng
RT: 12.621 min Scan# 1791
Delta R.T. -0.006 min
Lab File: BF131162.D
Acq: 11 Nov 2022 19:50

Tgt Ion:202 Resp: 77466
Ion Ratio Lower Upper
202 100
101 10.4 0.0 30.0
203 18.9 0.0 37.7





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.057 min Scan# 2035

Delta R.T. -0.000 min

Lab File: BF131162.D

Acq: 11 Nov 2022 19:50

Instrument :

BNA_F

ClientSampleId :

TP-5

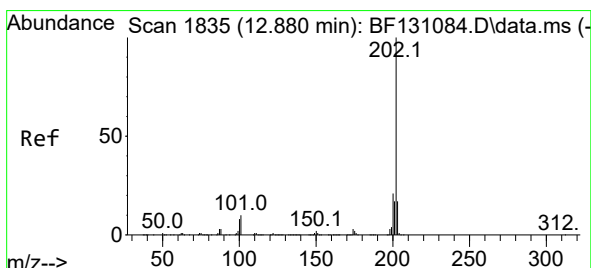
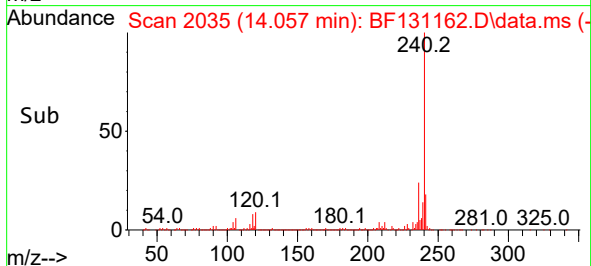
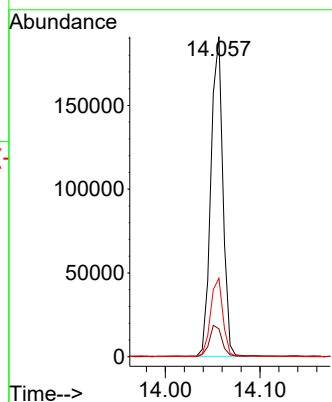
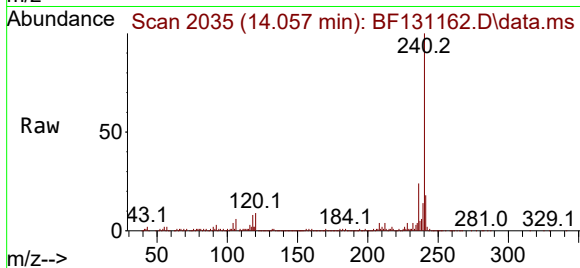
Tgt Ion:240 Resp: 167322

Ion Ratio Lower Upper

240 100

120 8.7 6.5 9.7

236 24.5 19.7 29.5



#78

Pyrene

Concen: 6.029 ng

RT: 12.851 min Scan# 1830

Delta R.T. -0.006 min

Lab File: BF131162.D

Acq: 11 Nov 2022 19:50

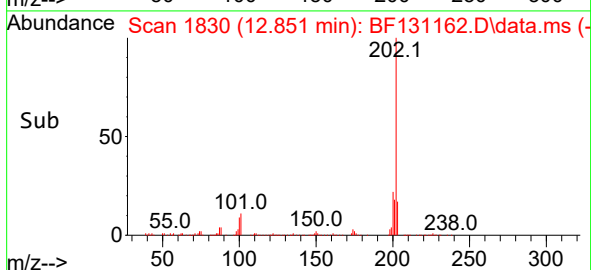
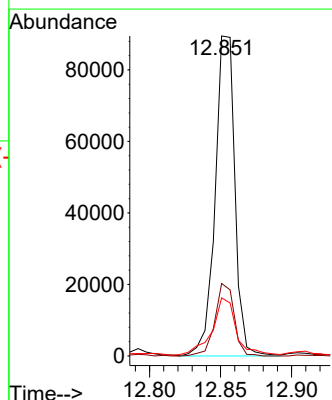
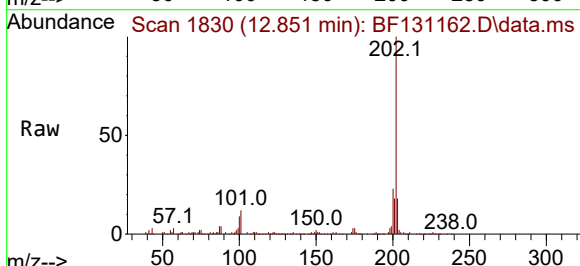
Tgt Ion:202 Resp: 86546

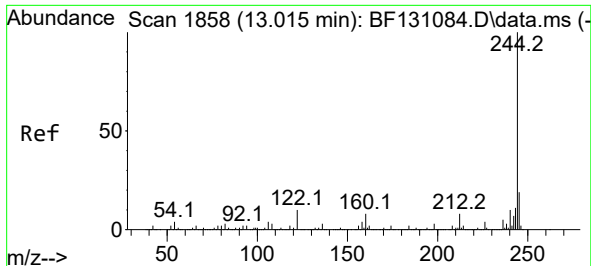
Ion Ratio Lower Upper

202 100

200 22.7 16.8 25.2

203 18.2 13.6 20.4

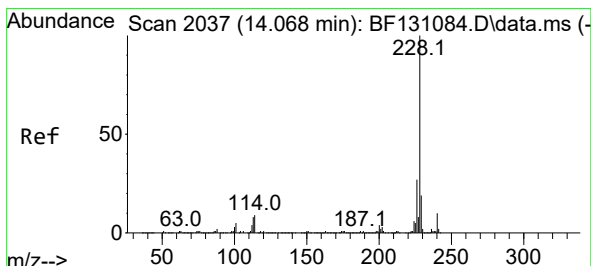
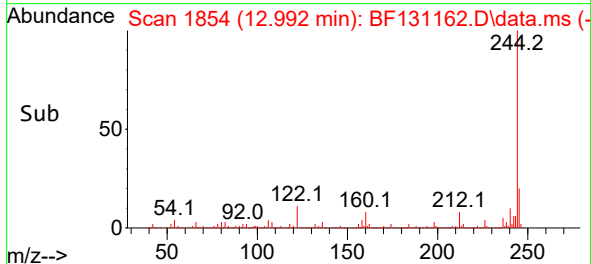
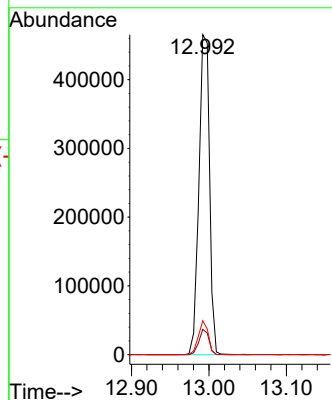
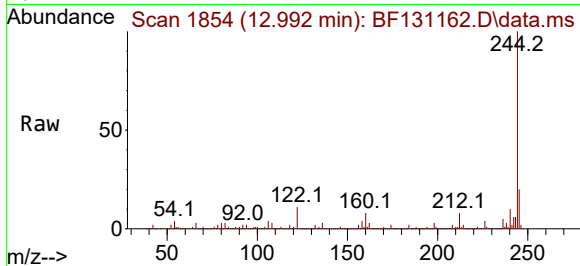




#79
 Terphenyl-d14
 Concen: 46.388 ng
 RT: 12.992 min Scan# 1
 Delta R.T. -0.006 min
 Lab File: BF131162.D
 Acq: 11 Nov 2022 19:50

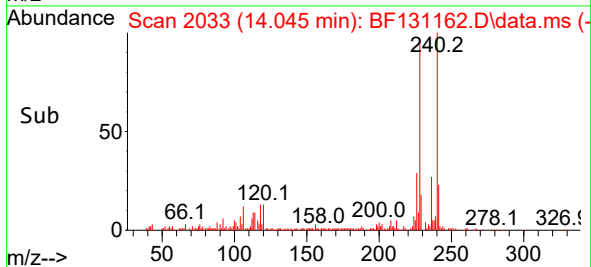
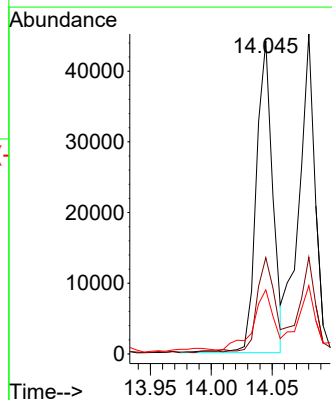
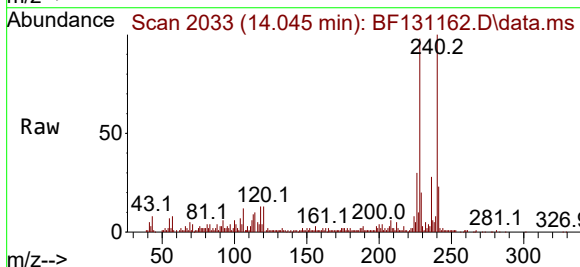
Instrument :
 BNA_F
 ClientSampleId :
 TP-5

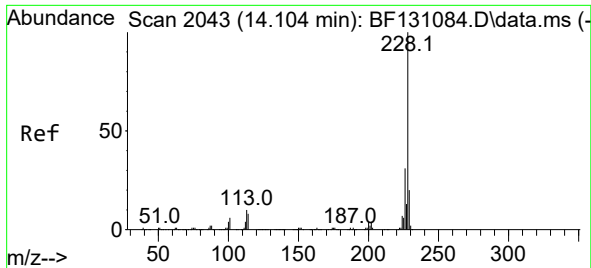
Tgt Ion:244 Resp: 442691
 Ion Ratio Lower Upper
 244 100
 212 7.9 6.2 9.2
 122 10.6 7.8 11.8



#81
 Benzo(a)anthracene
 Concen: 3.451 ng
 RT: 14.045 min Scan# 2033
 Delta R.T. -0.000 min
 Lab File: BF131162.D
 Acq: 11 Nov 2022 19:50

Tgt Ion:228 Resp: 41270
 Ion Ratio Lower Upper
 228 100
 226 30.8 21.8 32.6
 229 20.5 15.4 23.2





#83

Chrysene

Concen: 3.415 ng

RT: 14.080 min Scan# 2043

Delta R.T. -0.006 min

Lab File: BF131162.D

Acq: 11 Nov 2022 19:50

Instrument :

BNA_F

ClientSampleId :

TP-5

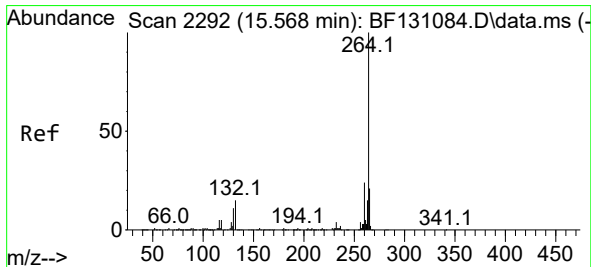
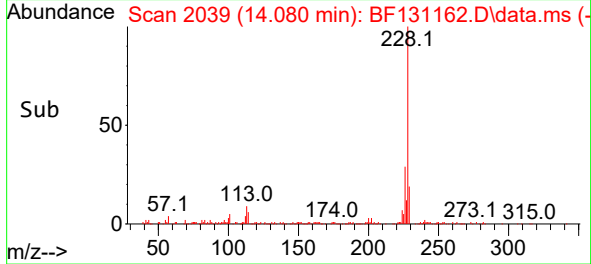
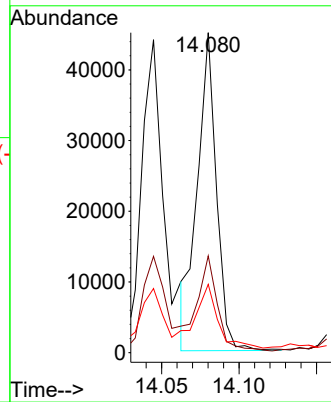
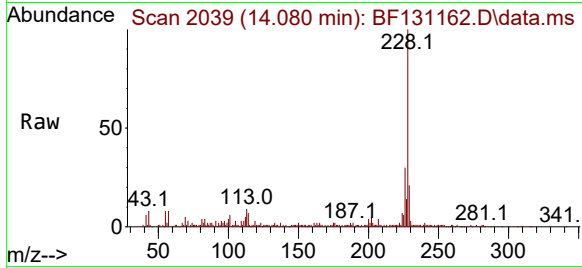
Tgt Ion:228 Resp: 38566

Ion Ratio Lower Upper

228 100

226 30.3 24.4 36.6

229 21.3 15.8 23.6



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.545 min Scan# 2288

Delta R.T. -0.000 min

Lab File: BF131162.D

Acq: 11 Nov 2022 19:50

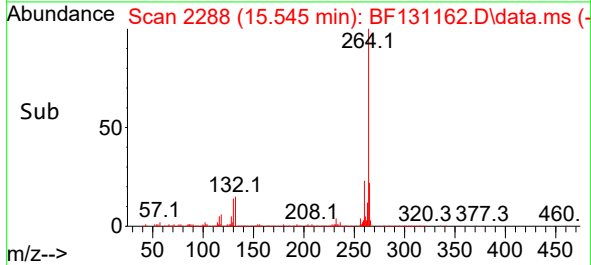
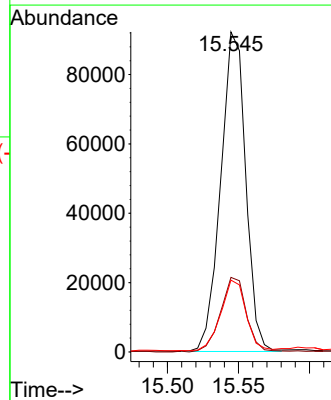
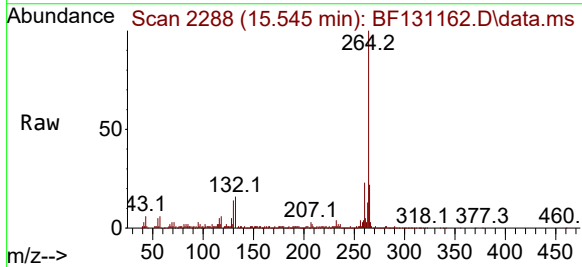
Tgt Ion:264 Resp: 112695

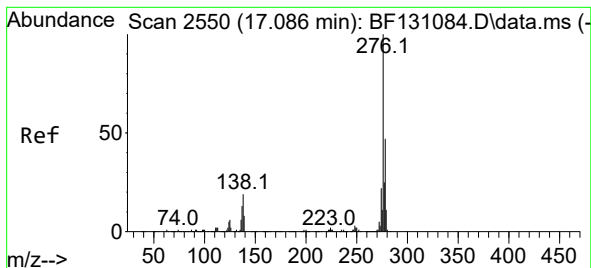
Ion Ratio Lower Upper

264 100

260 23.3 19.1 28.7

265 22.5 16.7 25.1





#87

Indeno(1,2,3-cd)pyrene

Concen: 5.157 ng

RT: 17.045 min Scan# 21

Delta R.T. -0.012 min

Lab File: BF131162.D

Acq: 11 Nov 2022 19:50

Instrument :

BNA_F

ClientSampleId :

TP-5

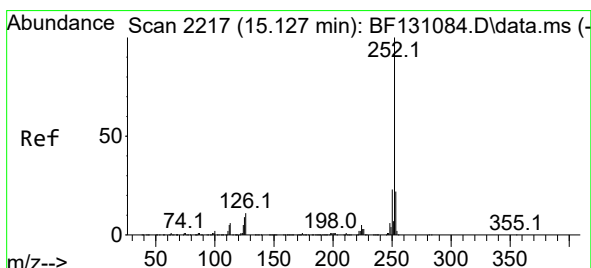
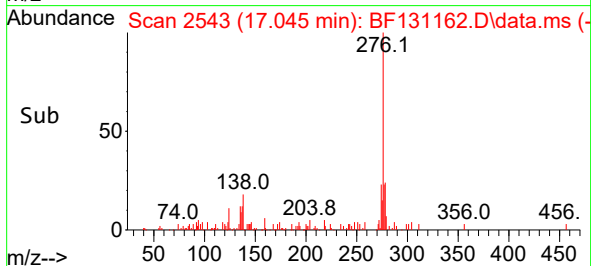
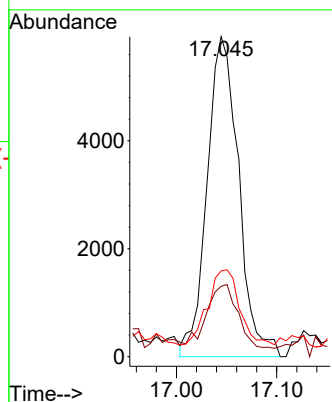
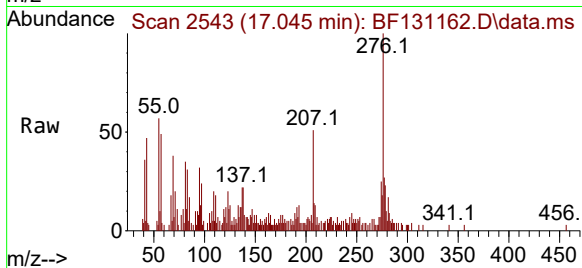
Tgt Ion:276 Resp: 12959

Ion Ratio Lower Upper

276 100

138 19.5 16.9 25.3

277 23.4 20.3 30.5



#88

Benzo(b)fluoranthene

Concen: 5.218 ng

RT: 15.104 min Scan# 2213

Delta R.T. -0.000 min

Lab File: BF131162.D

Acq: 11 Nov 2022 19:50

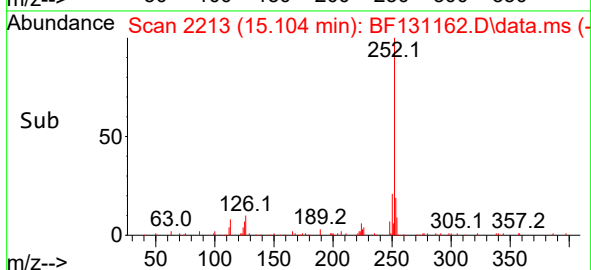
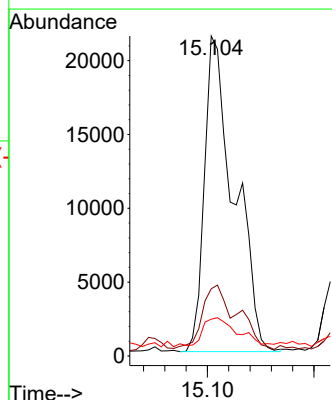
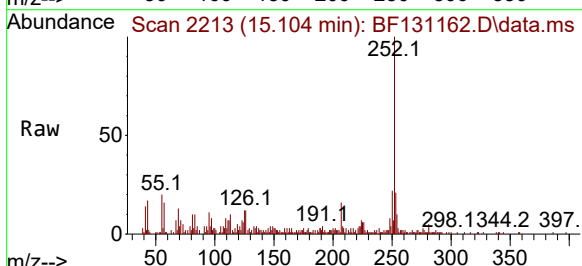
Tgt Ion:252 Resp: 41578

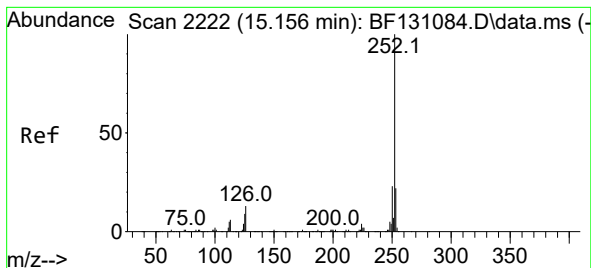
Ion Ratio Lower Upper

252 100

253 21.0 17.3 25.9

125 11.5 7.2 10.8#





#89

Benzo(k)fluoranthene

Concen: 5.429 ng

RT: 15.104 min Scan# 21

Delta R.T. -0.036 min

Lab File: BF131162.D

Acq: 11 Nov 2022 19:50

Instrument :

BNA_F

ClientSampleId :

TP-5

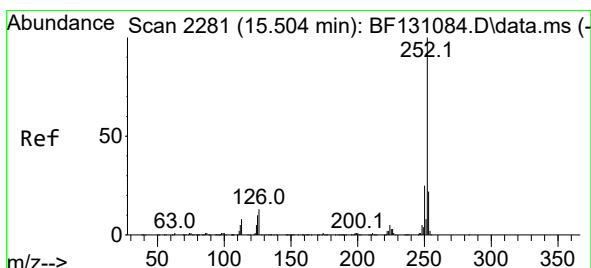
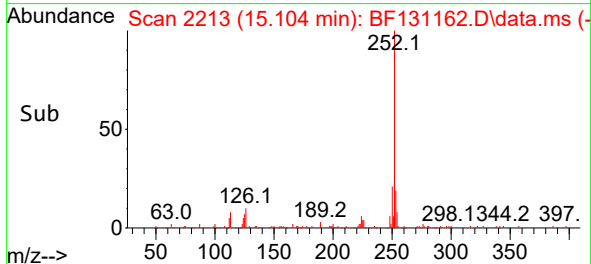
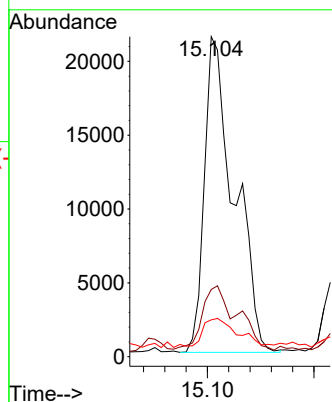
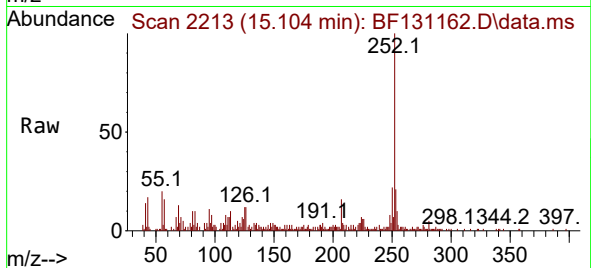
Tgt Ion:252 Resp: 41578

Ion Ratio Lower Upper

252 100

253 21.0 17.6 26.4

125 11.5 7.5 11.3#



#90

Benzo(a)pyrene

Concen: 4.120 ng

RT: 15.480 min Scan# 2277

Delta R.T. -0.000 min

Lab File: BF131162.D

Acq: 11 Nov 2022 19:50

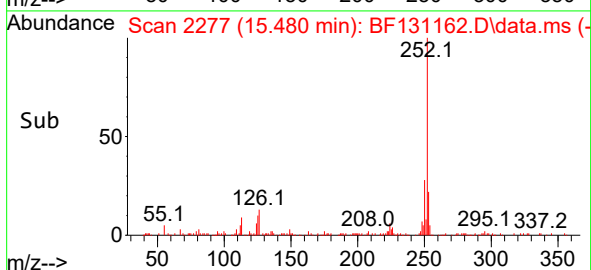
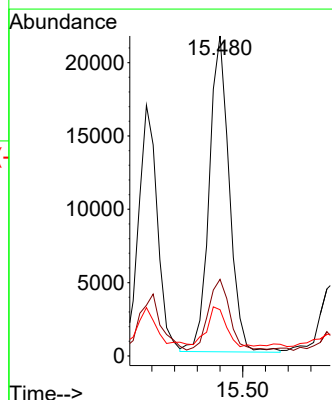
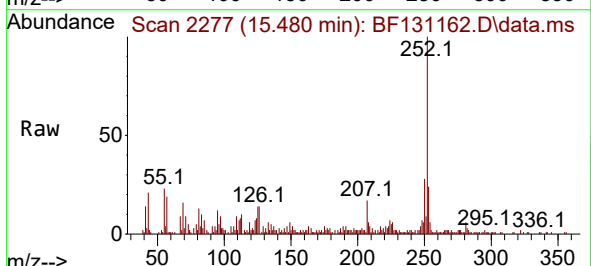
Tgt Ion:252 Resp: 26317

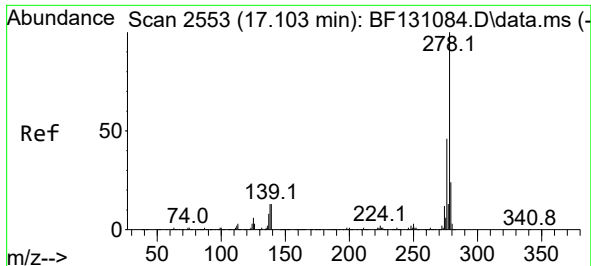
Ion Ratio Lower Upper

252 100

253 23.9 17.8 26.8

125 14.4 8.1 12.1#

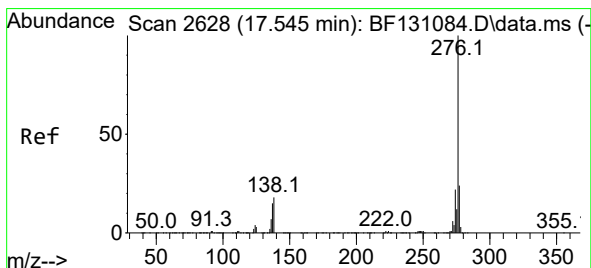
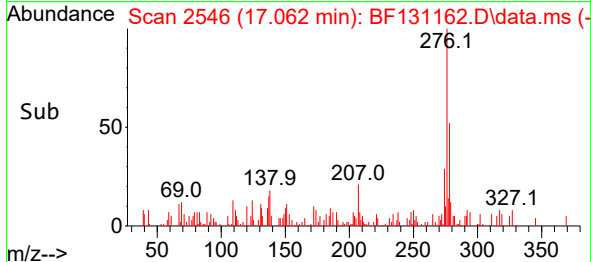
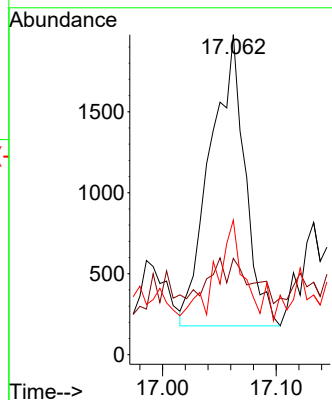
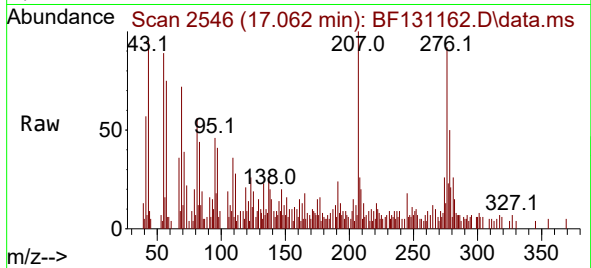




#91
Dibenzo(a,h)anthracene
Concen: 4.309 ng
RT: 17.062 min Scan# 21
Delta R.T. -0.012 min
Lab File: BF131162.D
Acq: 11 Nov 2022 19:50

Instrument :
BNA_F
ClientSampleId :
TP-5

Tgt Ion:278 Resp: 3816
Ion Ratio Lower Upper
278 100
139 30.1 10.8 16.2#
279 42.1 19.2 28.8#



#92
Benzo(g,h,i)perylene
Concen: 5.883 ng
RT: 17.503 min Scan# 2621
Delta R.T. -0.012 min
Lab File: BF131162.D
Acq: 11 Nov 2022 19:50

Tgt Ion:276 Resp: 13229
Ion Ratio Lower Upper
276 100
277 26.0 19.0 28.4
138 20.0 14.6 21.8

